

WRITE HEAD DESIGN WITH IMPROVED BUMP TO CONTROL WRITE SATURATION

ABSTRACT

A magnetic head having an air bearing surface (ABS) and a first pole tip. A second pole tip is spaced apart from and facing the upper end of the first pole tip across a write gap. A bump extends into a portion of the upper end of the first pole tip and a portion of the bottom end of the second pole tip, the bump being positioned away from the ABS. The bump defines a throat height of the first and second pole tips.